

# AIRD-02-220K Datasheet

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DiGi Electronics Part Number	AIRD-02-220K-DG
Manufacturer	<a href="#">Abracon LLC</a>
Manufacturer Product Number	AIRD-02-220K
Description	FIXED IND 22UH 7.2A 19 MOHM TH
Detailed Description	22 $\mu$ H Unshielded Drum Core, Wirewound Inductor 7.2 A 19mOhm Max Radial, Vertical Cylinder



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DiGi is a global authorized distributor of electronic components.

## Purchase and inquiry

Manufacturer Product Number:

AIRD-02-220K

Series:

AIRD-02

Type:

Drum Core, Wirewound

Inductance:

22  $\mu$ H

Current Rating (Amps):

7.2 A

Shielding:

Unshielded

Q @ Freq:

-

Ratings:

-

Inductance Frequency - Test:

1 kHz

Package / Case:

Radial, Vertical Cylinder

Size / Dimension:

0.827" Dia (21.00mm)

Manufacturer:

Abracon LLC

Product Status:

Active

Material - Core:

Ferrite

Tolerance:

$\pm$ 10%

Current - Saturation (Isat):

21A

DC Resistance (DCR):

19mOhm Max

Frequency - Self Resonant:

-

Operating Temperature:

-25°C ~ 85°C

Mounting Type:

Through Hole

Supplier Device Package:

-

Height - Seated (Max):

0.827" (21.00mm)

## Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

8504.50.4000

Moisture Sensitivity Level (MSL):

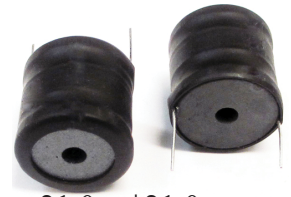
1 (Unlimited)

ECCN:

EAR99

# RADIAL DRUM CORE POWER CHOKE

AIRD-02

RoHS  
Compliant21.0 x  $\phi$ 21.0 mm

## FEATURES:

- Ferrite core with UL tube
- Wire wound construction
- High current, low DCR

## APPLICATIONS:

- Electronic Appliance
- Power Supplies
- TRIAC/SCR Control Circuits

## STANDARD SPECIFICATIONS

**Operating Temperature:** -40°C ~ +125°C (including self-heat)**Storage Temperature:** -40°C ~ +125°C

Part Number	Inductance	Tolerance	DCR (Max)	Saturation Current (Max)	Temperature Rise Current (Max)
Units	$\mu$ H	%	$\Omega$	A	A
Symbol	L	K, M, N	DCR	Isat*	Irms*
AIRD-02-1R0	1.0	N	0.003	108	11.4
AIRD-02-1R2	1.2	N	0.003	108	11.4
AIRD-02-1R5	1.5	N	0.003	83	11.4
AIRD-02-1R8	1.8	N	0.003	68	11.4
AIRD-02-2R2	2.2	N	0.004	68	11.4
AIRD-02-2R7	2.7	N	0.005	58	11.4
AIRD-02-3R3	3.3	M	0.005	58	11.4
AIRD-02-3R9	3.9	M	0.005	50	11.4
AIRD-02-4R7	4.7	M	0.005	50	11.4
AIRD-02-5R6	5.6	M	0.006	44	11.4
AIRD-02-6R8	6.8	M	0.007	39	11.4
AIRD-02-8R2	8.2	M	0.007	36	11.4
AIRD-02-100	10	K	0.009	30	11.4
AIRD-02-120	12	K	0.009	27	11.4
AIRD-02-150	15	K	0.013	25	9.0
AIRD-02-180	18	K	0.018	22	7.2
AIRD-02-220	22	K	0.019	21	7.2
AIRD-02-270	27	K	0.026	20	5.5
AIRD-02-330	33	K	0.029	18	5.5
AIRD-02-390	39	K	0.030	17	5.5
AIRD-02-470	47	K	0.035	15	5.5
AIRD-02-560	56	K	0.039	13	5.5
AIRD-02-680	68	K	0.053	12	4.8
AIRD-02-820	82	K	0.060	11	4.8
AIRD-02-101	100	K	0.080	10	4.0
AIRD-02-121	120	K	0.090	9.4	4.0
AIRD-02-151	150	K	0.098	8.6	4.0
AIRD-02-181	180	K	0.110	7.8	4.0
AIRD-02-221	220	K	0.150	7.0	2.8
AIRD-02-271	270	K	0.213	6.3	2.0
AIRD-02-331	330	K	0.305	5.2	1.6
AIRD-02-391	390	K	0.320	4.9	1.6
AIRD-02-471	470	K	0.355	4.5	1.6
AIRD-02-561	560	K	0.388	4.1	1.6
AIRD-02-681	680	K	0.430	3.7	1.6
AIRD-02-821	820	K	0.590	3.4	1.3
AIRD-02-102	1000	K	0.818	3.1	1.0
AIRD-02-122	1200	K	1.140	2.7	0.8
AIRD-02-152	1500	K	1.260	2.4	0.8
AIRD-02-182	1800	K	1.390	2.2	0.8
AIRD-02-222	2200	K	1.540	2.0	0.8

### Test Conditions and equipments

Test frequency: 1KHz, 0.25Vrms

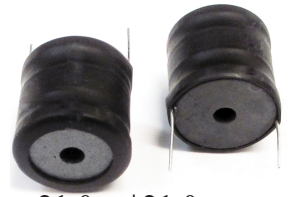
Irms:  $\Delta$ T of 40°C temperature rise max

# RADIAL DRUM CORE POWER CHOKE

AIRD-02



**RoHS**  
Compliant



21.0 x  $\phi$ 21.0 mm

## ➤ PART NUMBER IDENTIFICATION

AIRD-02-

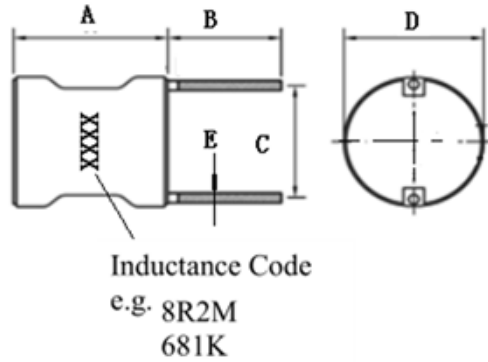
### Inductance Code

Please refer to the  
Electrical Spec Table

### Tolerance

N: $\pm 30\%$
M: $\pm 20\%$
K: $\pm 10\%$

## ➤ MECHANICAL DIMENSIONS



A	B	C	D	E
21.0 (max)	12.5 $\pm$ 1	19.0 $\pm$ 1	21.0 (max)	1.8 (max)

**Dimension: inch (mm)**

## Packaging (50 Pcs/Box)

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